BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Improvements to road from Hesaraghatta Main Road to Vigneshwara Layout, Chikkasandra, in Ward no. 12, in Shettyhalli Sub-Division

Sl. No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum	**349.50**	90.72	Rs. Ninety & Seventy two paise only
2	Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- I Material	Cum	**174.75**	1060.56	Rs. One Thousand sixty & fifty six paise only
3	Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	**233.00**	1121.04	Rs. One thousand one hundred and twenty one & four paise only
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm	**1165.00**	44.28	Rs. Forty four & twenty eight paise only
5	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	**5760.00**	2.59	Rs. Two & Fifty nine paise only
6	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	**6220.00**	17.93	Rs. Seventeen & Ninety three paise only

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7	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. With 60/70 grade bitumen.	Cum	**58.25**	6733.80	Rs. Six thousand seventy hundere & Thirty three & Eighty paise only
8	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 50930-45mm compacted thickness (Grading II) with 6% Bitumen 60/70	Cum	**248.80**	11284.92	Rs. Eleven Thousand two hundred and Eighty Four & Ninety two paise only
9	Carriage of mixed materials 10kms . For items of Sl. No (1) rs. 5.20 per cum/km.	Cum	**307.05**	56.16	Rs. Fifty Six & Sixteen paise only
10	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	**714.40**	471.96	Rs. Four hundred and Seventy one & Ninety six paise only
11	Disposal of debries to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10km a) Basic rate for haulage of materials as per item no. 17.4/KSRRB:M100-4.1.....Rs. 2.00 Tonne/km b) Average earth work 1.28 Tonne/km for Rs. 2.00/Km c) Add loading and unloading item no. 17.1 KSRRB M100-1 Rs. 62.20	Cum	**349.50**	72.71	Rs. Seventy two & Seventy one paise only

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